

SEQUENCE LISTING

<110> MedImmune, Inc.

<120> DIAGNOSIS OF PRE-CANCEROUS CONDITIONS USING PCDGF AGENTS

<130> 10271-131-228

<140> To be assigned
<141>

<150> 60/489,035
<151> 2003-07-21

<160> 44

<170> FastSEQ for Windows Version 4.0

<210> 1
<211> 19
<212> PRT
<213> Homo sapiens

<220>
<223> an epitope in a PCDGF K19T peptide

<400> 1
Lys Lys Val Ile Ala Pro Arg Arg Leu Pro Asp Pro Gln Ile Leu Lys
1 5 10 15
Ser Asp Thr

<210> 2
<211> 14
<212> PRT
<213> Homo Sapiens

<220>
<223> S14R peptide

<400> 2
Ser Ala Arg Gly Thr Lys Cys Leu Arg Lys Lys Ile Pro Arg
1 5 10

<210> 3
<211> 19
<212> PRT
<213> Homo sapiens

<220>
<223> E19V peptide

<400> 3
Glu Lys Ala Pro Ala His Leu Ser Leu Pro Asp Pro Gln Ala Leu Lys
1 5 10 15
Arg Asp Val

<210> 4

<211> 15

<212> PRT

<213> Homo sapiens

<220>

<223> linker sequences inserted between identical VH and VL domains

<400> 4

Gly Gly Gly Gly Ser Gly Gly Gly Ser Gly Gly Gly Ser
1 5 10 15

<210> 5

<211> 15

<212> PRT

<213> Homo sapiens

<220>

<223> linker sequences inserted between identical VH and VL domains

<400> 5

Glu Ser Gly Arg Ser Gly Gly Gly Ser Gly Gly Gly Ser
1 5 10 15

<210> 6

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<223> linker sequences inserted between identical VH and VL domains

<400> 6

Glu Gly Lys Ser Ser Gly Ser Gly Ser Glu Ser Lys Ser Thr
1 5 10

<210> 7

<211> 15

<212> PRT

<213> Homo sapiens

<220>

<223> linker sequences inserted between identical VH and VL domains

<400> 7

Glu Gly Lys Ser Ser Gly Ser Gly Ser Glu Ser Lys Ser Thr Gln
1 5 10 15

<210> 8

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<223> linker sequences inserted between identical VH and VL domains

<400> 8

Glu Gly Lys Ser Ser Gly Ser Gly Ser Glu Ser Lys Val Asp
1 5 10

<210> 9

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<223> linker sequences inserted between identical VH and VL domains

<400> 9

Gly Ser Thr Ser Gly Ser Gly Lys Ser Ser Glu Gly Lys Gly
1 5 10

<210> 10

<211> 18

<212> PRT

<213> Homo sapiens

<220>

<223> linker sequences inserted between identical VH and VL domains

<400> 10

Lys Glu Ser Gly Ser Val Ser Ser Glu Gln Leu Ala Gln Phe Arg Ser
1 5 10 15
Leu Asp

<210> 11

<211> 16

<212> PRT

<213> Homo sapiens

<220>

<223> linker sequences inserted between identical VH and VL domains

<400> 11

Glu Ser Gly Ser Val Ser Ser Glu Glu Leu Ala Phe Arg Ser Leu Asp
1 5 10 15

<210> 12

<211> 4

<212> PRT

<213> Homo sapiens

<220>

<223> localization signal used to direct intrabody to endoplasmic reticulum

<400> 12

Lys Asp Glu Leu
1

<210> 13

<211> 4
<212> PRT
<213> Homo sapiens

<220>
<223> localization signal used to direct intrabody to endoplasmic reticulum

<400> 13
Asp Asp Glu Leu
1

<210> 14
<211> 4
<212> PRT
<213> Homo sapiens

<220>
<223> localization signal used to direct intrabody to endoplasmic reticulum

<400> 14
Asp Glu Glu Leu
1

<210> 15
<211> 4
<212> PRT
<213> Homo sapiens

<220>
<223> localization signal used to direct intrabody to endoplasmic reticulum

<400> 15
Gln Glu Asp Leu
1

<210> 16
<211> 4
<212> PRT
<213> Homo sapiens

<220>
<223> localization signal used to direct intrabody to endoplasmic reticulum

<400> 16
Arg Asp Glu Leu
1

<210> 17
<211> 7
<212> PRT
<213> Homo sapiens

<220>
<223> localization signal used to direct intrabody to nucleus

<400> 17

Pro Lys Lys Lys Arg Lys Val
1 5

<210> 18
<211> 7
<212> PRT
<213> Homo sapiens

<220>
<223> localization signal used to direct intrabody to nucleus

<400> 18
Pro Gln Lys Lys Ile Lys Ser
1 5

<210> 19
<211> 5
<212> PRT
<213> Homo sapiens

<220>
<223> localization signal used to direct intrabody to nucleus

<400> 19
Gln Pro Lys Lys Pro
1 5

<210> 20
<211> 4
<212> PRT
<213> Homo sapiens

<220>
<223> localization signal used to direct intrabody to nucleus

<400> 20
Arg Lys Lys Arg
1

<210> 21
<211> 5
<212> PRT
<213> Homo sapiens

<220>
<223> localization signal used to direct intrabody to nucleus

<400> 21
Lys Lys Lys Arg Lys
1 5

<210> 22
<211> 12
<212> PRT
<213> Homo sapiens

<220>
<223> localization signal used to direct intrabody to nucleolar region

<400> 22
Arg Lys Lys Arg Arg Gln Arg Arg Arg Ala His Gln
1 5 10

<210> 23
<211> 16

<212> PRT
<213> Homo sapiens

<220>
<223> localization signal used to direct intrabody to nucleolar region

<400> 23
Arg Gln Ala Arg Arg Asn Arg Arg Arg Trp Arg Glu Arg Gln Arg
1 5 10 15

<210> 24
<211> 19
<212> PRT
<213> Homo sapiens

<220>
<223> localization signal used to direct intrabody to nucleolar region

<400> 24
Met Pro Leu Thr Arg Arg Arg Pro Ala Ala Ser Gln Ala Leu Ala Pro
1 5 10 15
Pro Thr Pro

<210> 25
<211> 15
<212> PRT
<213> Homo sapiens

<220>
<223> localization signal used to direct intrabody to endosomal compartment

<400> 25
Met Asp Asp Gln Arg Asp Leu Ile Ser Asn Asn Glu Gln Leu Pro
1 5 10 15

<210> 26
<211> 32
<212> PRT
<213> Homo sapiens

<220>
<223> localization signal used to direct intrabody to mitochondrial matrix

<220>
<221> VARIANT
<222> 7, 8, 32

<223> Xaa = Any Amino Acid

<400> 26

Met Leu Phe Asn Leu Arg Xaa Xaa Leu Asn Asn Ala Ala Phe Arg His
1 5 10 15
Gly His Asn Phe Met Val Arg Asn Phe Arg Cys Gly Gln Pro Leu Xaa
20 25 30

<210> 27

<211> 3

<212> PRT

<213> Homo sapiens

<220>

<223> localization signal used to direct intrabody to peroxisome

<400> 27

Ala Lys Leu

1

<210> 28

<211> 6

<212> PRT

<213> Homo sapiens

<220>

<223> localization signal used to direct intrabody to trans golgi network

<400> 28

Ser Asp Tyr Gln Arg Leu

1

5

<210> 29

<211> 8

<212> PRT

<213> Homo sapiens

<220>

<223> localization signal used to direct intrabody to plasma membrane

<400> 29

Gly Cys Val Cys Ser Ser Asn Pro

1

5

<210> 30

<211> 8

<212> PRT

<213> Homo sapiens

<220>

<223> localization signal used to direct intrabody to plasma membrane

<400> 30

Gly Gln Thr Val Thr Thr Pro Leu

1

5

<210> 31
<211> 8
<212> PRT
<213> Homo sapiens

<220>
<223> localization signal used to direct intrabody to plasma membrane

<400> 31
Gly Gln Glu Leu Ser Gln His Glu
1 5

<210> 32
<211> 8
<212> PRT
<213> Homo sapiens

<220>
<223> localization signal used to direct intrabody to plasma membrane

<400> 32
Gly Asn Ser Pro Ser Tyr Asn Pro
1 5

<210> 33
<211> 8
<212> PRT
<213> Homo sapiens

<220>
<223> localization signal used to direct intrabody to plasma membrane

<400> 33
Gly Val Ser Gly Ser Lys Gly Gln
1 5

<210> 34
<211> 8
<212> PRT
<213> Homo sapiens

<220>
<223> localization signal used to direct intrabody to plasma membrane

<400> 34
Gly Gln Thr Ile Thr Thr Pro Leu
1 5

<210> 35
<211> 8
<212> PRT
<213> Homo sapiens

<220>
<223> localization signal used to direct intrabody to plasma membrane

<400> 35

Gly Gln Thr Leu Thr Thr Pro Leu
1 5

<210> 36

<211> 8

<212> PRT

<213> Homo sapiens

<220>

<223> localization signal used to direct intrabody to plasma membrane

<400> 36

Gly Gln Ile Phe Ser Arg Ser Ala
1 5

<210> 37

<211> 8

<212> PRT

<213> Homo sapiens

<220>

<223> localization signal used to direct intrabody to plasma membrane

<400> 37

Gly Gln Ile His Gly Leu Ser Pro
1 5

<210> 38

<211> 8

<212> PRT

<213> Homo sapiens

<220>

<223> localization signal used to direct intrabody to plasma membrane

<400> 38

Gly Ala Arg Ala Ser Val Leu Ser
1 5

<210> 39

<211> 8

<212> PRT

<213> Homo sapiens

<220>

<223> localization signal used to direct intrabody to plasma membrane

<400> 39

Gly Cys Thr Leu Ser Ala Glu Glu
1 5

<210> 40

<211> 16

<212> PRT

<213> Homo sapiens

<220>

<223> membrane permeable sequence

<400> 40

Ala Ala Val Ala Leu Leu Pro Ala Val Leu Leu Ala Leu Leu Ala Pro
1 5 10 15

<210> 41

<211> 12

<212> PRT

<213> Homo sapiens

<220>

<223> membrane permeable sequence

<400> 41

Ala Ala Val Leu Leu Pro Val Leu Leu Ala Ala Pro
1 5 10

<210> 42

<211> 15

<212> PRT

<213> Homo sapiens

<220>

<223> membrane permeable sequence

<400> 42

Val Thr Val Leu Ala Leu Gly Ala Leu Ala Gly Val Gly Val Gly
1 5 10 15

<210> 43

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> antisense molecule directed to PCDGF

<400> 43

gggtccacat ggtctgcctg c

21

<210> 44

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> antisense molecule directed to PCDGF

<400> 44

gccaccagcc ctgctgttaa ggcc

24